And \overline{x} is the sample mean; s is the sample standard deviation; n is the number of samples; and $t_{0.95}$ is the t statistic for a 95% two-tailed confidence interval with n-

1 degrees of freedom (from Appendix D).

 $UCL = \bar{x} + t_{.95} \left(\frac{s}{4\pi} \right)$